Bar

- Repeating No. $\frac{1}{3} = 0.3333\ldots\infty$
- Non Repeating No. $\frac{1}{4} = 0.25$

$0.2\overline{34}$

Repeating No.

Non-Repeating No.

$\frac{1}{3} \longrightarrow 0.3333\ldots\infty$

$\downarrow$

$0.\overline{3}$

$0.\overline{23}$

$0.232323\ldots\infty$

$0.\overline{123}$

$0.123123123..$

$0.1\overline{23}$

$$\frac{123 - 12}{900} = \frac{111}{900}$$

$0.1\overline{23} = \frac{123-1}{990}$

$= \frac{122}{990}$ Ans

No. — Non Repeating No.

Repeating No., Non-Rep. (0)
(9)

→ Right

$0.\overline{123}$

$\frac{123 - 0}{999}$

$\frac{123}{999}$

$0.\overline{567}$

$$\frac{567-56}{900}$$

$$\frac{511}{900}$$

$0.9\overline{18}$

$$\frac{918-9}{990}$$

$$\frac{909}{990}$$

$0.\overline{349}$

$$\frac{349}{999}$$

$2.36\overline{9}$

(I)

$$\frac{2369 - 236}{900}$$

$$\frac{2133}{900}$$ Ans.

(II)

$2.36\overline{9}$

$= 2 + 0.36\overline{9}$

$$\frac{369 - 36}{900}$$

$$2\frac{333}{900}$$ Ans

$\frac{15}{2}$

$7\frac{1}{2}$

$3.1\overline{24}$

$\frac{3124 - 31}{990}$

$\frac{3093}{990}$

$3 + 0.\overline{124}$

$\frac{124 - 1}{990}$

$3\frac{123}{990}$ Ans

1. $0.\overline{3} + 0.\overline{4} + 0.\overline{5} + 0.\overline{6} = ?$

(a) 4 (b) 3

(c) 2 (d) 1

$\frac{3}{9} + \frac{4}{9} + \frac{5}{9} + \frac{6}{9}$

$② = \frac{18}{9}$

2. $(0.\overline{11} + 0.\overline{22}) \times 9 = ?$

(a) 3 (b) 4

(c) 1 (d) 2

$$\left(\frac{11}{99} + \frac{22}{99}\right) \times 9$$

$$\frac{33}{99} \times 9 = 3$$

3. $0.\overline{16} \div 0.\overline{4} = ?$

(a) $\frac{4}{9}$ (b) $\frac{4}{11}$

(c) $\frac{3}{11}$ (d) $\frac{4}{10}$

$$\frac{16}{99} \div \frac{4}{9}$$

$$\frac{\cancel{16}}{\cancel{99}_{11}} \times \frac{\cancel{9}}{\cancel{4}_{1}} = \frac{4}{11}$$ Ans.

4. $0.0\overline{2} + 5.00\overline{3} + 0.\overline{2} = ?$

(a) $5.3\overline{47}$ (b) $5.24\overline{7}$

(c) $5.2\overline{47}$ (d) $5.\overline{247}$

My Courses > Maths > No. Class

Follow

ADITYA SIR

CLICK HERE

CLICK HERE

CLICK HERE

CLICK HERE

CLICK HERE

CLICK HERE